

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

DECLARATION AND POWER OF ATTORNEY

Atty. Dkt. No.: 8540G-000083
Client Ref. No. GP-301170

DECLARATION

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FUEL CELL ENERGY MANAGEMENT SYSTEM FOR COLD ENVIRONMENTS

the specification of which (check one)

- ☒ is attached hereto.
or
☐ was filed on _____ as Application Serial No. _____ and was amended on _____
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

| | | | Priority Claim | |
|----------|-----------|------------------------|------------------------------|-----------------------------|
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, section 119(e) of any United States Provisional application(s) listed below:

PRIOR PROVISIONAL APPLICATIONS

application serial number month/day/year filed

application serial number month/day/year filed

PRIOR U.S. APPLICATIONS

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below:

| Application Serial No. | Filing Date | Status - patented, pending, abandoned |
|------------------------|-------------|---------------------------------------|
| ██████████ | ██████████ | ██████████ |
| ██████████ | ██████████ | ██████████ |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) Linda M. Deschere, Patent Office Registration No. 34,811; Michael D. Wiggins, Patent Office Registration No. 34,754; Lawrence B. Plant, Patent Office Registration No. 22,684; Anthony L. Simon, Patent Office Registration No. 34,434; and Karl F. Barr, Patent Office Registration No. 33,155 as my attorney(s) and/or agent(s), to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

CORRESPONDENCE ADDRESS

I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Linda M. Deschere, Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (248) 641-1600.

DECLARATION AND POWER OF ATTORNEY

Full name of sole or first inventor: William S. Wheat

Inventor's signature: _____

Date: 07/30/01

Residence: 76 Crosman Terrace, Rochester, New York 14620

Citizenship: United States of America

Mailing Address: Same

Full name of second inventor: Mark A. Meltser

Inventor's signature: _____

Date: _____

Residence: 160 Oakshire Way, Rochester, New York 14534

Citizenship: United States of America

Mailing Address: Same

Full name of third inventor: David A. Masten

Inventor's signature: _____

Date: _____

Residence: 30 Knollbrook Road, Apartment 6, Rochester, New York 14610

Citizenship: United States of America

Mailing Address: Same

DECLARATION AND POWER OF ATTORNEY

Atty. Dkt. No.: 8540G-000083
Client Ref. No. GP-301170

DECLARATION

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FUEL CELL ENERGY MANAGEMENT SYSTEM FOR COLD ENVIRONMENTS

the specification of which (check one)

- ☒ is attached hereto.
or
☐ was filed on _____ as Application Serial No. _____ and was amended on _____
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

| | | | Priority Claim | |
|----------|-----------|------------------------|------------------------------|-----------------------------|
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, section 119(e) of any United States Provisional application(s) listed below:





PRIOR PROVISIONAL APPLICATIONS

application serial number month/day/year filed

application serial number month/day/year filed

PRIOR U.S. APPLICATIONS

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below:

| Application Serial No. | Filing Date | Status - patented, pending, abandoned |
|---|---|---|
|  |  |  |
|  |  |  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) Linda M. Deschere, Patent Office Registration No. 34,811; Michael D. Wiggins, Patent Office Registration No. 34,754; Lawrence B. Plant, Patent Office Registration No. 22,684; Anthony L. Simon, Patent Office Registration No. 34,434; and Karl F. Barr, Patent Office Registration No. 33,155 as my attorney(s) and/or agent(s), to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

CORRESPONDENCE ADDRESS

I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Linda M. Deschere, Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (248) 641-1600.

DECLARATION AND POWER OF ATTORNEY

Full name of sole or first inventor: William S. Wheat

Inventor's signature: _____

Date: _____

Residence: 76 Crosman Terrace, Rochester, New York 14620

Citizenship: United States of America

Mailing Address: Same

Full name of second inventor: Mark A. Meltser

Inventor's signature: Mark Meltser

Date: 08.01.01

Residence: 160 Oakshire Way, Rochester, New York 14534

Citizenship: United States of America

Mailing Address: Same

Full name of third inventor: David A. Masten

Inventor's signature: _____

Date: _____

Residence: 30 Knollbrook Road, Apartment 6, Rochester, New York 14610

Citizenship: United States of America

Mailing Address: Same

DECLARATION AND POWER OF ATTORNEY

Atty. Dkt. No.: 8540G-000083
Client Ref. No. GP-301170

DECLARATION

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FUEL CELL ENERGY MANAGEMENT SYSTEM FOR COLD ENVIRONMENTS

the specification of which (check one)

- ☒ is attached hereto.
or
☐ was filed on _____ as Application Serial No. _____ and was amended on _____
(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under Title 35, United States Code, section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

| | | | Priority Claim | |
|----------|-----------|------------------------|------------------------------|-----------------------------|
| | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> | <input type="checkbox"/> |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> | <input type="checkbox"/> |
| (Number) | (Country) | (Day/Month/Year filed) | <input type="checkbox"/> | <input type="checkbox"/> |

DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, section 119(e) of any United States Provisional application(s) listed below:







PRIOR PROVISIONAL APPLICATIONS

application serial number month/day/year filed

application serial number month/day/year filed

PRIOR U.S. APPLICATIONS

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below:

| Application Serial No. | Filing Date | Status - patented, pending, abandoned |
|---|---|---|
|  |  |  |
|  |  |  |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) Linda M. Deschere, Patent Office Registration No. 34,811; Michael D. Wiggins, Patent Office Registration No. 34,754; Lawrence B. Plant, Patent Office Registration No. 22,684; Anthony L. Simon, Patent Office Registration No. 34,434; and Karl F. Barr, Patent Office Registration No. 33,155 as my attorney(s) and/or agent(s), to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

CORRESPONDENCE ADDRESS

I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Linda M. Deschere, Harness, Dickey & Pierce, P.L.C., P. O. Box 828, Bloomfield Hills, Michigan 48303 (248) 641-1600.

DECLARATION AND POWER OF ATTORNEY

Full name of sole or first inventor: William S. Wheat

Inventor's signature: _____

Date: _____

Residence: 76 Crosman Terrace, Rochester, New York 14620

Citizenship: United States of America

Mailing Address: Same

Full name of second inventor: Mark A. Meltser

Inventor's signature: _____

Date: _____

Residence: 160 Oakshire Way, Rochester, New York 14534

Citizenship: United States of America

Mailing Address: Same

Full name of third inventor: David A. Masten

Inventor's signature: David Masten

Date: August 9, 2001

Residence: 30 Knollbrook Road, Apartment 6, Rochester, New York 14610

Citizenship: United States of America

Mailing Address: Same



UNITED STATES
PATENT AND
TRADEMARK OFFICE

088406-0000830

14DES
✓ OAM

NOVEMBER 20, 2001

PTAS

HARNESS, DICKEY & PIERCE, P.L.C.
LINDA M. DESCHERE
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101846343A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/07/2001

REEL/FRAME: 012158/0519
NUMBER OF PAGES: 12

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

WHEAT, WILLIAM S.

DOC DATE: 07/30/2001

ASSIGNOR:

MELTSER, MARK A.

DOC DATE: 08/01/2001

ASSIGNOR:

MASTEN, DAVID A.

DOC DATE: 08/09/2001

ASSIGNEE:

GENERAL MOTORS CORPORATION
300 RENAISSANCE CENTER, P.O. BOX
300
MAIL CODE 482-C23-B21
DETROIT, MICHIGAN 48265-3000

SERIAL NUMBER: 09948897

PATENT NUMBER:

FILING DATE: 09/07/2001

ISSUE DATE:

012158/0519 PAGE 2

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation)
Document ID #
☐ Correction of PTO Error
☐ Reel # Frame #
☐ Corrective Document
☐ Reel # Frame #

Conveyance Type

- ☒ Assignment ☐ Security Agreement
☐ License ☐ Change of Name
☐ Merger ☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

- ☒ Mark if additional names of conveying parties attached

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Second Party

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

- ☐ Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

16821 U.S. PTO
09/948897
09/07/01

Correspondent Name and Address

Area Code and Telephone Number

248-641-1600

Name Linda M. Deschere

Address (line 1) Hamess, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document
including any attachments

12

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

| | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
07 30 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application
Number as not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40

Method of Payment:
Deposit Account

Enclosed ☐ Deposit Account ☒

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

07-0960

Authorization to charge additional fees:

Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Linda M. Deschere, Reg. No. 34,811

Name of Person Signing


Signature

7 Sept 01
Date

FORM PTO-1619A
Expires 06/30/99
OMR 0651-0027

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) David A. Masten

Execution Date
Month Day Year
08 09 2001

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

| | | |
|---------|---------|---------|
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |

Patent Number(s)

| | | |
|---------|---------|---------|
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |

1c821 U.S. PTO
09/948897



09-18-2001

FORM PTO-1619A
Expires 06/30/99
OMR 0651-0027U.S. Department of Commerce
Patent and Trademark Office
PATENT101846343
RECORDATION FORM COVER SHEET
PATENTS ONLY

9.7.01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
☐ Resubmission (Non-Recordation)
 Document ID #
☐ Correction of PTO Error
 Reel # Frame #
☐ Corrective Document
 Reel # Frame #

Conveyance Type

- ☒ Assignment ☐ Security Agreement
☐ License ☐ Change of Name
☐ Merger ☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) William S. Wheat

 Execution Date
 Month Day Year
 07 30 2001
Name (line 2)

Second Party

Name (line 1) Mark A. Meltser

 Execution Date
 Month Day Year
 08 01 2001
Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) General Motors Corporation

Name (line 2)

Address (line 1) Mail Code 482-C23-B21

Address (line 2) 300 Renaissance Center, P.O. Box 300

Address (line 3) Detroit

Michigan

48265-3000

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Address (line 1) Address (line 2) Address (line 3) Address (line 4)

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
 Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

3/13/2001 EHAILE1 00000043 070960 03948897

3 FC:581

40.00 CH

09/948897



Correspondent Name and Address

Area Code and Telephone Number

248-641-1600

Name Linda M. Deschere

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P.O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments

12

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| <u></u> | <u></u> | <u></u> | <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> | <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> | <u></u> | <u></u> | <u></u> |

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
07 30 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application
Number has not been assigned.

| | | |
|-------------|-------------|-------------|
| PCT <u></u> | PCT <u></u> | PCT <u></u> |
| PCT <u></u> | PCT <u></u> | PCT <u></u> |

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40

Method of Payment:

Enclosed ☐

Deposit Account ☒

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

07-0960

Authorization to charge additional fees:

Yes ☒

No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Linda M. Deschere, Reg. No. 34,811

Name of Person Signing


Signature

7 Sept 01
Date

FORM PTO-1619A
Expires 06/30/99
OMR 0651-0077

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) David A. Masten

Execution Date
Month Day Year
08 09 2001

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

| | | |
|---------|---------|---------|
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |
| <u></u> | <u></u> | <u></u> |

Patent Number(s)

| | |
|---------|---------|
| <u></u> | <u></u> |
| <u></u> | <u></u> |
| <u></u> | <u></u> |
| <u></u> | <u></u> |
| <u></u> | <u></u> |

3-821 U.S. PTO
09/948897
09/07/01

United States and
Foreign (Joint)

Case: GP-301170
8540G-000083

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, we, William S. Wheat, a citizen of the United States, and residing at 76 Crosman Terrace, Rochester, NY 14620, Mark A. Meltser, a citizen of the United States, and residing at 160 Oakshire Way, Rochester, New York 14534, and David A. Masten, a citizen of the United States, and residing at 30 Knollbrook Road, Apartment 6, Rochester, New York 14610, respectively, hereby sell, assign and transfer to General Motors Corporation a corporation duly organized and existing under the laws of the State of Delaware and having a place of business at Detroit, Michigan as assignee, and its successors, assigns and legal representatives, the entire right, title and interest for the United States of America and all countries in and to certain inventions relating to

FUEL CELL ENERGY MANAGEMENT SYSTEM FOR COLD ENVIRONMENTS

which are described in the specification in an application, executed by

William S. Wheat on the 30 day of July, 2001;

Mark A. Meltser on the 1 day of August, 2001;

David A. Masten on the 9 day of August, 2001;

(and I hereby authorize my attorneys, authorized to prosecute the application, to here insert the filing date and serial number of the application, as soon as it is known, Serial No. _____, filed _____) and all the rights and privileges under any United States Letters Patent and all foreign Letters Patent that may be granted therefor.

We request that any and all United States and foreign patents for the inventions be issued to the assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We covenant with the assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

STATE OF)
) ss.
COUNTY OF)

Notary Public
My Commission Expires:

United States and
Foreign (Joint)

Mark A. Meltser

STATE OF _____)
COUNTY OF _____) ss.

On this ____ day of _____, 2001, personally appeared before me Mark A. Meltser, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

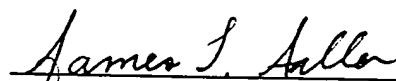
Notary Public
My Commission Expires:



David A. Masten

STATE OF *New York*)
COUNTY OF *Monroe*) ss.

On this 9 day of August, 2001, personally appeared before me David A. Masten, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.



Notary Public
My Commission Expires: 8-21-01

JAMES L. SALLER
NOTARY PUBLIC, State of New York
Monroe County # 4954954
My Commission Expires 8-21-01

United States and
Foreign (Joint)

Case: GP-301170
8540G-000083

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, we, William S. Wheat, a citizen of the United States, and residing at 76 Crosman Terrace, Rochester, NY 14620, Mark A. Meltser, a citizen of the United States, and residing at 160 Oakshire Way, Rochester, New York 14534, and David A. Masten, a citizen of the United States, and residing at 30 Knollbrook Road, Apartment 6, Rochester, New York 14610, respectively, hereby sell, assign and transfer to General Motors Corporation a corporation duly organized and existing under the laws of the State of Delaware and having a place of business at Detroit, Michigan as assignee, and its successors, assigns and legal representatives, the entire right, title and interest for the United States of America and all countries in and to certain inventions relating to

FUEL CELL ENERGY MANAGEMENT SYSTEM FOR COLD ENVIRONMENTS

which are described in the specification in an application, executed by William S. Wheat on the _____ day of _____, 2001;
Mark A. Meltser on the _____ day of _____, 2001;
David A. Masten on the _____ day of _____, 2001;
(and I hereby authorize my attorneys, authorized to prosecute the application, to here insert the filing date and serial number of the application, as soon as it is known, Serial No. _____, filed _____) and all the rights and privileges under any United States Letters Patent and all foreign Letters Patent that may be granted therefor.

We request that any and all United States and foreign patents for the inventions be issued to the assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

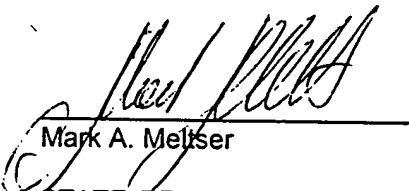
We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We covenant with the assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

STATE OF)
) ss.
COUNTY OF)

Notary Public
My Commission Expires:

United States and
Foreign (Joint)

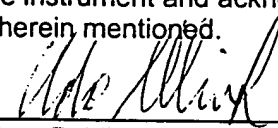

Mark A. Meltser

STATE OF

COUNTY OF

)
) ss.
)

On this 1 day of August, 2001, personally appeared before me Mark A. Meltser, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.


~~Notary Public~~

~~My Commission Expires:~~ witness:

David A. Masten

STATE OF

COUNTY OF

)
) ss.
)

On this ____ day of _____, 2001, personally appeared before me David A. Masten, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

Notary Public

My Commission Expires:

United States and
Foreign (Joint)

Case: GP-301170
8540G-000083

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, we, William S. Wheat, a citizen of the United States, and residing at 76 Crosman Terrace, Rochester, NY 14620, Mark A. Meltser, a citizen of the United States, and residing at 160 Oakshire Way, Rochester, New York 14534, and David A. Masten, a citizen of the United States, and residing at 30 Knollbrook Road, Apartment 6, Rochester, New York 14610, respectively, hereby sell, assign and transfer to General Motors Corporation a corporation duly organized and existing under the laws of the State of Delaware and having a place of business at Detroit, Michigan as assignee, and its successors, assigns and legal representatives, the entire right, title and interest for the United States of America and all countries in and to certain inventions relating to

FUEL CELL ENERGY MANAGEMENT SYSTEM FOR COLD ENVIRONMENTS

which are described in the specification in an application, executed by
William S. Wheat on the _____ day of _____, 2001;
Mark A. Meltser on the _____ day of _____, 2001;
David A. Masten on the _____ day of _____, 2001;
(and I hereby authorize my attorneys, authorized to prosecute the application, to here insert the filing date and serial number of the application, as soon as it is known, Serial No. _____, filed _____) and all the rights and privileges under any United States Letters Patent and all foreign Letters Patent that may be granted therefor.

We request that any and all United States and foreign patents for the inventions be issued to the assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

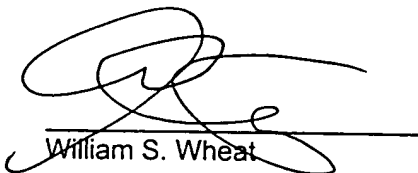
We agree that, when requested, we will sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries, and for vesting title thereto in the assignee, its successors, assigns and legal representatives or nominees.

United States and
Foreign (Joint)

We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

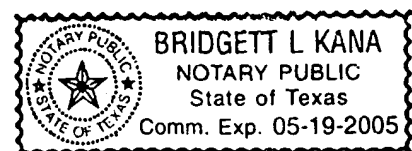
We covenant with the assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.


William S. Wheat

STATE OF TEXAS)
COUNTY OF HARRIS) ss.

On this 30th day of July, 2001, personally appeared before me William S. Wheat, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.


Notary Public
My Commission Expires:



United States and
Foreign (Joint)

Mark A. Meltser

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, 2001, personally appeared before me Mark A. Meltser, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

Notary Public
My Commission Expires:

David A. Masten

STATE OF)
) ss.
COUNTY OF)

On this ____ day of _____, 2001, personally appeared before me David A. Masten, to me known to be the person who executed the above instrument and acknowledged that he executed the same for the uses and purposes therein mentioned.

Notary Public
My Commission Expires: